

We claim:

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1. \ An improved method of forming an even surface on a building, wherein the method is especially suited for reducing the labor requirements of applying a concrete-based mortar to the building, wherein the method comprises the steps of:

mixing a concrete-based mortar with water and a quantity of accelerant sufficient to cause the resulting composition to set in approximately two hours;

applying the concrete-based mortar to a concrete surface to form a mortar surface; and

removing an exterior portion of the mortar surface after approximately two hours.

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2. \ The method of claim 1, wherein the step of mixing the concrete-based mortar comprises mixing the concrete-based mortar having at least fifty-percent of particles greater than 0.18 millimeters in diameter and at least two-percent of particles greater than 1.2 millimeters in diameter.

3. The method of claim 2, wherein the step of mixing the concrete-based mortar further comprises mixing the concrete-based mortar with the accelerant having inorganic salts and halogens.

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B₂ 4. The method of claim 3, wherein the step of mixing the concrete-based mortar further comprises mixing the concrete-based mortar with the accelerant having chloride ions in an amount of approximately twenty-five percent of the accelerant.

5. The method of claim 1, wherein the step of applying the concrete-based mortar comprises using a smooth trowel to apply the concrete-based mortar to a block wall.

6. The method of claim 1, wherein the step of removing the exterior portion of the mortar surface comprises scraping a rough trowel against the exterior portion of the mortar surface.

7. A method of applying a concrete-based mortar to a building comprising the steps of:

mixing a concrete-based mortar, an accelerant and water to form a resulting composition that sets within three hours;

applying the resulting composition to an exterior of a building;

allowing the resulting composition to set on the building for a period of at least two hours; and

removing an exterior portion of the resulting composition, wherein the time from applying the resulting composition to removing the exterior portion of the resulting composition does not exceed three hours. ✓

8. The method of claim 7, wherein the step of mixing the concrete-based mortar comprises mixing a powder.

9. The method of claim 7, wherein the step of mixing the concrete-based mortar comprises mixing the accelerant at least partially composed of inorganic salts.

10. The method of claim 9, wherein the step of mixing the concrete-based mortar comprises mixing the accelerant further composed of halogens.

11. The method of claim 7, wherein the step of applying the resulting composition to the building comprises spreading the resulting composition onto a concrete block wall with a smooth trowel.

12. The method of claim 7, wherein the step of removing the exterior portion of the resulting composition comprises scraping a rough trowel against the exterior portion of the resulting composition.

13. The method of claim 7, wherein:

the step of mixing the concrete-based mortar comprises mixing a powder, and the accelerant composed of inorganic salts and halogens;

the step of applying the resulting composition to the exterior of the building comprises spreading the resulting

composition onto a concrete block wall with a smooth trowel; and

the step of removing the exterior portion of the resulting composition comprises scraping a rough trowel against the exterior portion of the resulting composition.

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14. A method of providing a concrete-based mortar suitable for application to a concrete structure to provide a mortar surface and further suitable for removal of an exterior portion of the mortar surface, wherein the method comprises the steps of providing a concrete-based mortar having sand, particles and cement, and providing an accelerant in an amount sufficient to cause the concrete-based mortar to set in less than three hours when mixed with water and applied to a concrete structure.

15. The method of claim 14, wherein the step of providing the concrete-based mortar comprises providing particles having a diameter of greater than 0.18 millimeters as at least half the composition of the concrete-based mortar.

16. The method of claim 14, wherein the step of providing an accelerant comprises providing inorganic salts and halogens.

17. A concrete mixture especially suited for application to a building and to dry relatively quickly so that the labor time required for application and removal of an exterior portion of the concrete mixture is reduced, the concrete mixture comprising concrete, sand and an accelerant in an amount sufficient to reduce the set time of the concrete mixture to less than three hours when mixed with water.

18. The concrete mixture of claim 17, wherein the sand comprises at least half of the concrete mixture and wherein individual particles of the sand have a diameter greater than 0.18 millimeters.

19. The concrete mixture of claim 18, wherein the sand further comprises at least a percent of particles having a diameter greater than 1.2 millimeters.

20. The concrete mixture of claim 19, wherein the accelerant comprises inorganic salts and halogens.

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